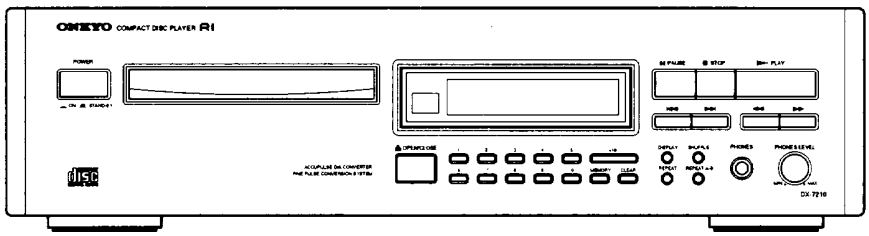
ONKYO®

COMPACT disc DIGITAL AUDIO

DX-7210/7110

Compact Disc Player

Instruction Manual



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Thank you for your purchase of the ONKYO DX-7210/7110 CD player.
Please read this manual thoroughly before making connections and plugging in the AC power cord.
Following the instructions in this manual will enable you to obtain optimum performance and maximum listening enjoyment from your new DX-7210/7110.
Please retain this manual for future reference.

FOR EUROPEAN MODEL:

- This apparatus complies with requirements of EC directive 87/308/EEC.

FOR CANADIAN MODEL: (POUR LE MODELE CANADIEN)

- For models having a power cord with a polarized plug

CAUTION:TO PREVENT ELECTRIC SHOCK, MATCH WIDE BLADE OF PLUG TO WIDE SLOT, FULLY INSERT.

- Sur les modèles dont la fiche est polarisée.

ATTENTION:POUR ÉVITER LES CHOCS ÉLECTRIQUES, INTRODUIRE LA LAME LA PLUS LARGE DE LA FICHE DANS LA BORNE CORRESPONDANTE DE LA PRISE ET POUSSER JUSQ'AU FOND.

ATTENTION FOR BRITISH MODEL

- Replacement and mounting of an AC plug on the power supply cord of this unit should be performed only by qualified service personnel.
- IMPORTANT: The wires in the mains lead are coloured in accordance with the following code:
  Blue: Neutral
  Brown: Live

As the colours of the wires in the mains lead of this apparatus may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:
The wire which is coloured blue must be connected to the terminal which is marked with the letter N or coloured black.
The wire which is coloured brown must be connected to the terminal which is marked with the letter L or coloured red.

WARNING

"TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE."

CAUTION

"TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL."

- The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

- The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

Important Safeguards

1. **Read Instructions** — All the safety and operating instructions should be read before the appliance is operated.
2. **Retain Instructions** — The safety and operating instructions should be retained for future reference.
3. **Heed Warnings** — All warnings on the appliance and in the operating instructions should be adhered to.
4. **Follow Instructions** — All operating and use instructions should be followed.
5. **Water and Moisture** — The appliance should not be used near water — for example, near a bathtub, washbowl, kitchen sink, laundry tub, in a wet basement; or near a swimming pool, and the like.
6. **Carts and Stands** — The appliance should be used only with a cart or stand that is recommended by the manufacturer.

6A. An appliance and cart combination should be moved with care. Quick stops, excessive force, and uneven surface may cause the appliance and cart combination to overturn.

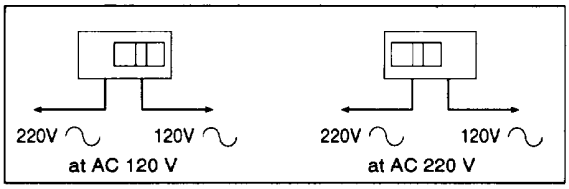
PORTABLE CART WARNING

7. **Wall or Ceiling Mounting** — The appliance should be mounted to a wall or ceiling only as recommended by the manufacturer.
8. **Ventilation** — The appliance should be situated so that its location or position does not interfere with its proper ventilation. For example, the appliance should not be situated on a bed, sofa, rug, or similar surface that may block the ventilation openings; or, placed in a built-in installation, such as a bookcase or cabinet that may impede the flow of air through the ventilation openings.
9. **Heat** — The appliance should be situated away from heat sources such as radiators, heat registers, stoves, or other appliances (including amplifiers) that produce heat.
10. **Power Sources** — The appliance should be connected to a power supply only of the type described in the operating instructions or as marked on the appliance.
11. **Polarization** — The polarization of the plug is a safety feature. The polarized plug will only fit the outlet one way. If the plug does not fit fully into the outlet, try reversing it. If there is still trouble, the user should seek the services of a qualified electrician. Under no circumstances should the user attempt to defeat the polarization of the plug.
12. **Power-Cord Protection** — Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, convenience receptacles, and the point where they exit from the appliance.
13. **Cleaning** — The appliance should be cleaned only as recommended by the manufacturer.
14. **Nonuse Periods** — The power cord of the appliance should be unplugged from the outlet when left unused for a long period of time.
15. **Object and Liquid Entry** — Care should be taken so that objects do not fall and liquids are not spilled into the enclosure through openings.
16. **Damage Requiring Service** — The appliance should be serviced by qualified service personnel when:
    A. The power-supply cord or the plug has been damaged; or
    B. Objects have fallen, or liquid has been spilled into the appliance; or
    C. The appliance has been exposed to rain; or
    D. The appliance does not appear to operate normally or exhibits a marked change in performance; or
    E. The appliance has been dropped, or the enclosure damaged.
17. **Servicing** — The user should not attempt to service the appliance beyond that described in the operating instructions. All other servicing should be referred to qualified service personnel.

Precautions

1. **Warranty card**
   The serial number is written on the rear panel of the unit. Write the serial number and model number on your warranty card and keep it in a safe place.

2. **Power**
   WARNING
   BEFORE PLUGGING IN THE UNIT FOR THE FIRST TIME, READ THE FOLLOWING SECTION CAREFULLY.
   - Some models are designed for use only with the power supply voltage of the region where they are sold.
     European and Australian models: AC 230 V, 50 Hz
     U.S.A. and Canadian models: AC 120 V, 60 Hz
     Worldwide model: AC 120/220 V switchable, 50/60 Hz
   - Voltage Selector (Rear Panel)
     The worldwide model is equipped with a voltage selector to conform with the local power supplies. Be sure to set this switch to match the voltage of the power supply in your area before plugging in the unit. Models without a voltage selector can only be used in areas where the power supply is the same as that of the unit.



3. **Do not touch the player with wet hands**
   Do not handle the player or power cord when your hands are wet or damp. If water or any other liquid enters the case, take the player to an authorized service center for inspection.

4. **Location of the player**
   - Place the player in a well-ventilated location.
     Take special care to provide plenty of ventilation on all sides of the player especially when it is placed in an audio rack. If ventilation is blocked, the player may overheat and malfunction.
   - Do not expose the player to direct sunlight or heating units as the player's internal temperature may rise and shorten the life of the pickup.
   - Avoid damp and dusty places and places directly affected by vibrations from the speakers. In particular, avoid placing the unit on or above one of the speakers.
   - Be sure the player is placed in a horizontal position. Never place it on its side or on a slanted surface, as it may malfunction.
   - Do not place near tuners or TV sets.
     If placed next to a TV or tuner, it may cause reception interference resulting in some noise in the TV or tuner output.

5. **Care**
   From time to time you should wipe off the front and rear panels and the cabinet with a soft cloth. For heavier dirt, dampen a soft cloth in a weak solution of mild detergent and water, wring it out, and wipe away the dirt. Following this, dry immediately with a clean cloth. Do not use rough material, thinners, alcohol or other chemical solvents or cloths since these may damage the finish or remove the panel lettering.

6. **Points to remember**
   - If the player is brought from a cold environment to a warm one or is in a cold room that is quickly heated, condensation may form on the pickup, preventing proper operation. In this case, remove the disc and leave the power ON for about one hour to remove the condensation.
   - Always close the disc tray when not loading or unloading discs to protect delicate internal parts from dust.
   - When transporting the player, be careful not to bump it.

Features

■ **FPCS (Fine Pulse Conversion System)**
Based on technologies borrowed from the latest advances in computer graphics, FPCS reduces ringing during interpolation, and makes a more accurate "educated guess" at the value of missing data by using adjacent data.
The result is music with greater warmth, more texture and better sound-stage imaging.

■ **Single-Bit D/A Converters Backed by Proprietary AccuPulse Quartz System**
ONKYO's single-bit converters eliminate the zero-cross distortion and non-linearity that plague conventional CD players, especially at low signal levels. They're backed by the AccuPulse Quartz Sytem – a small, oscillating element mounted on a unique damping material called Polysorb, which ONKYO created specifically to reduce vibration.

■ **36-Track Random Memory**
The user can play up to 36 songs in the sequence of his choice. The 36-track random memory also automatically inserts four seconds of blank time between songs, to make more professional-sounding dubs.

■ **RI Compatible Remote Control Supplied**
The extremely user-friendly remote control is compatible with certain ONKYO cassette decks bearing the RI (Remote interactive) mark, and puts complete control of the DX-7210/7110 in the palm of the user's hand.

■ **8-times oversampling digital filter**

■ **Shuffle play**

■ **20-track music calendar**

■ **Peak search (via remote) (DX-7210 only)**

■ **Time edit (calculates number of tracks that will fit on a cassette) (DX-7210 only)**

■ **10-key direct track access (via remote) (DX-7210 only)**

■ **Headphone jack with volume control (DX-7210 only)**

Special Cautions for Compact Disc Player

This Compact Disc Player contains a semiconductor laser system and is classified as a "CLASS 1 LASER PRODUCT". So, to use this model properly, read this Owner's Manual carefully. In case of any trouble, please contact the store where you purchased the unit. To prevent being exposed to the laser beam, do not try to open the enclosure.

DANGER:
INVISIBLE LASER RADIATION WHEN OPEN AND INTERLOCK FAILED OR DEFEATED. AVOID DIRECT EXPOSURE TO BEAM.

CAUTION:
THIS PRODUCT UTILIZES A LASER. USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.

FOR U.S.A. MODEL:

1. The laser is covered by a housing which prevents exposure during operation or maintenance. However, this product is classified as a Laser Product by CDRH (Center for Devices and Radiological Health) which is a department of the Food and Drug Administration. According to their regulations 21 CFR section 1002.30, all manufactures who sell Laser Products must maintain records of written communications between the manufacturer, dealers and customers concerning radiation safety. If you have any complaints about instructions or explanations affecting the use of this product, please feel free to write to the address on the back page of this manual. When you write us, please include the model number and serial number of your Compact Disc Player.
2. In compliance with Federal Regulations, the certification, identification and the period of manufacture are indicated on the rear panel.
3. FCC INFORMATION FOR USER

CAUTION:

Changes or modifications not expressly approved by the manufacturer for compliance could void the user's authority to operate the equipment.

NOTE:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FOR CANADIAN MODEL: (POUR LE MODELE CANADIEN)

- THIS DIGITAL APPARATUS DOES NOT EXCEED THE CLASS B LIMITS FOR RADIO NOISE EMISSION FROM DIGITAL APPARATUS SET OUT IN THE RADIO INTERFERENCE REGULATIONS OF THE CANADIAN DEPARTMENT OF COMMUNICATIONS.
- L'INTERFERENCE, RADIO ELECTRIQUE GENEREE PAR CET APPAREIL NUMERIQUE DE TYPE B NE DEPASSE PAS LES LIMITES ENONCEES DANS LE REGLEMENT SUL LES PERTURBATIONS RADIO ELECTRIQUES, SECTION APPAREIL NUMERIQUE, DU MINISTERE DES COMMUNICATIONS.

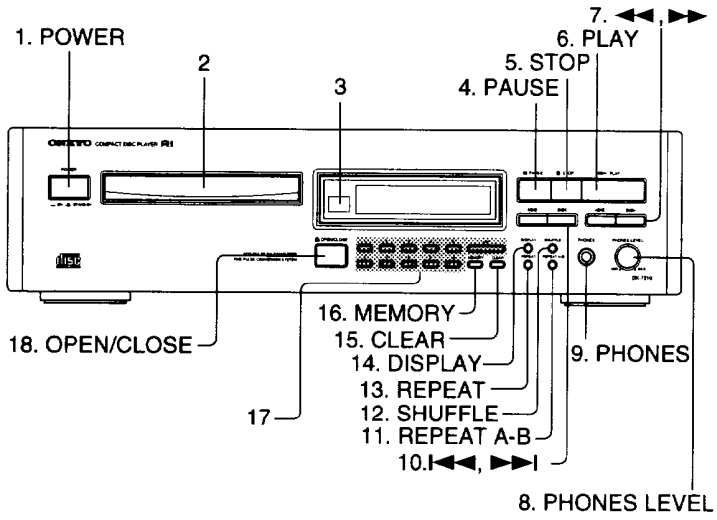
FOR EUROPEAN MODEL

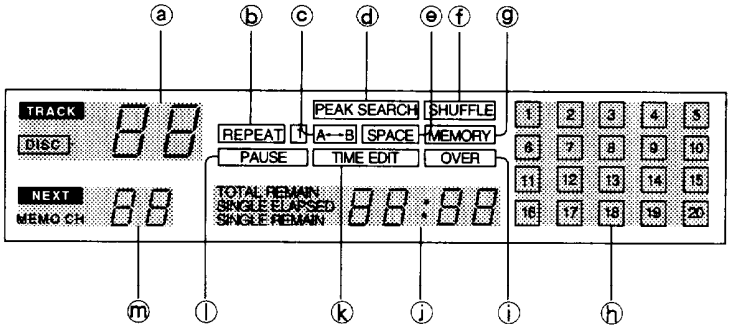
This label on the rear panel states that:

1. This unit is a CLASS 1 LASER PRODUCT and employs a laser inside the cabinet.
2. To prevent the laser from being exposed, do not remove the cover. Refer servicing to qualified personnel.

Control Positions and Names

NOTE:
If there is a protective film on the surface of the display, making it difficult to read the display, remove it.





For more information about the function of a particular button, please turn to the page listed in the brackets ([ ]) following each name.

Front panel

1. **POWER button [7,8]**
2. **Disc tray**
3. **Remote sensor (DX-7210 only)**
4. **PAUSE button [8]**
5. **STOP button [8]**
6. **PLAY button [8]**
7. **Fast forward/fast reverse buttons [9]**
8. **PHONES LEVEL knob (DX-7210 only) [7]**
9. **PHONES jack (DX-7210 only) [7]**
10. **Skip buttons [10]**
11. **REPEAT A-B button [13]**
12. **SHUFFLE button [10]**
13. **REPEAT button [13]**
14. **DISPLAY button [9]**
15. **CLEAR button [12]**
16. **MEMORY button [11,12]**
17. **Number buttons and +10 button (DX-7210 only) [10]**
18. **OPEN/CLOSE button [8]**

Display

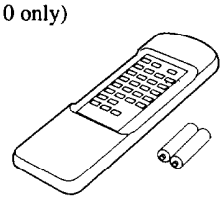
- ⓐ **Track number display**
- ⓑ **REPEAT indicator**
- ⓒ **Block repeat indicator**
- ⓓ **PEAK SEARCH indicator**
- ⓔ **SPACE indicator**
- ⓕ **Shuffle play indicator**
- ⓖ **MEMORY indicator**
- ⓗ **Music calendar display**
- ⓘ **OVER indicator**
- ⓙ **Time display**
- ⓚ **TIME EDIT indicator**
- ⓛ **PAUSE indicator**
- ⓜ **Next track number/memory channel display**

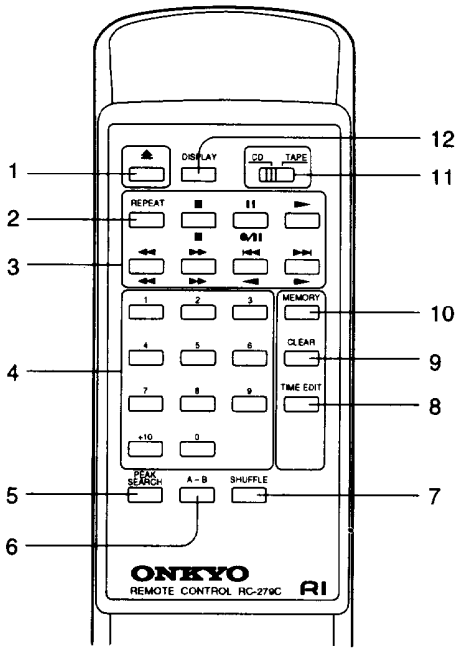
Supplied accessories

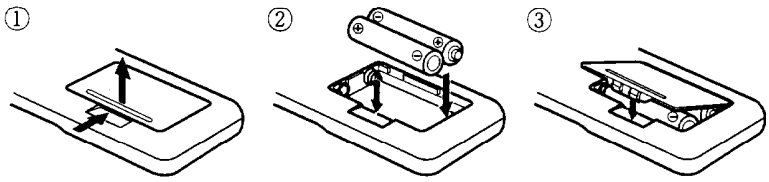
Audio connection cable (1)

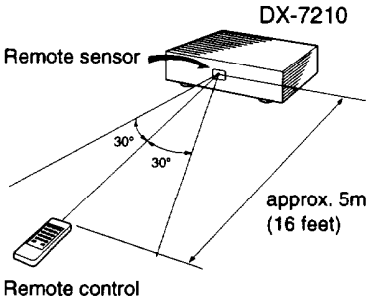
Remote control cable (1)

Remote control (RC-279C) (1)
Batteries (2)
(DX-7210 only)









Remote control (DX-7210 only)

1. **Open/close button [8]**
2. **REPEAT button [13]**
3. **CD/tape operation buttons**
   When the CD/TAPE selector switch is in the CD position
   - ■ : Stop button
   - ❚❚ : Pause button
   - ► : Play button
   - ◄◄ : Fast reverse button
   - ►► : Fast forward button
   - |◄◄ : Down button
   - ►►| : Up button

   When the CD/TAPE selector switch is in the TAPE position
   - ■ : Stop button
   - ●/❚❚ : Rec pause button
   - ◄◄ : Fast rewind button
   - ►► : Fast forward button
   - ◄ : Reverse play button
   - ► : Forward play button
4. **Number buttons and +10 button [10]**
5. **PEAK SEARCH button [15]**
6. **Block repeat button [13]**
7. **SHUFFLE button [10]**
8. **TIME EDIT button [14]**
9. **CLEAR button [12]**
10. **MEMORY button [11]**
11. **CD/TAPE selector switch**
    This switch should normally be set to the CD position.
    When a cassette deck bearing the ONKYO " RI " symbol is connected to one of the remote control jacks of the DX-7210, the deck can be controlled with this remote control. If you set the CD/TAPE selector switch to the TAPE position, the 6 functions (from ■ to ►) listed above can be operated by remote control.
12. **DISPLAY button [9]**

Using the remote control

The following information will help you get optimum use from the remote control.

- Place the CD player away from direct bright light, which can prevent proper operation of the remote control.
- Make sure audio rack doors do not have colored glass. If the CD player is placed behind such a door, this may prevent proper remote control operation.
- Using other remote controls in the same room as the CD player remote control may cause interference.

Inserting the remote control batteries

Average battery life is about one year, depending upon the frequency of use and the environment (temperature and humidity) in which the remote control is used. Only use batteries of the kind specified in the table below.

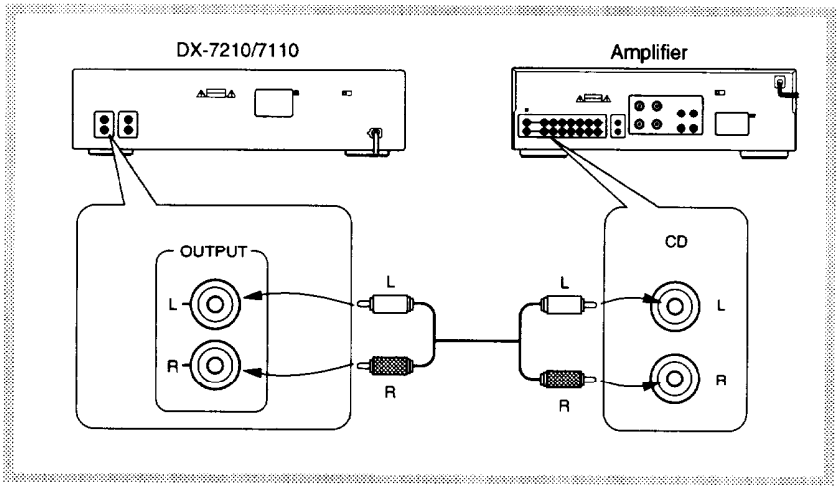
Type	Voltage	Size
Manganese	1.5 V	AA, R6 or UM-3

Warning

- Do not leave a dead battery in the case– it may leak or damage the remote control.
- Do not use nickel cadmium (rechargeable) batteries.
- Replace both batteries at once; do not use one old battery and one new battery.

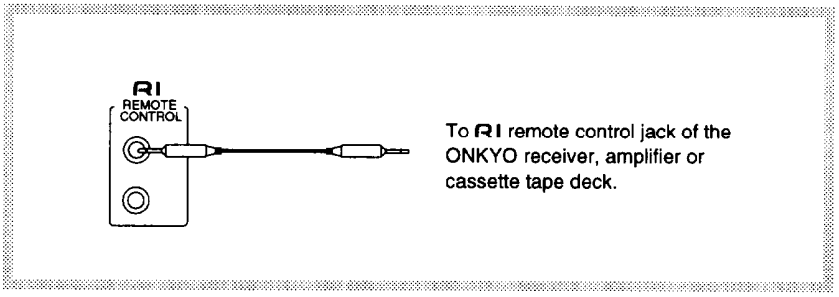
System Connections

- **Do not plug in the power cord until all connections have been made.**
- **On each pair of input or output jacks, the lower jack (marked R) corresponds to the right channel, and the upper jack (marked L) to the left channel.**



Connecting to an amplifier

Connect the CD's OUTPUT jacks and the amplifier's CD input jacks using the audio connection cable. Refer to the amplifier's instruction manual for connections.



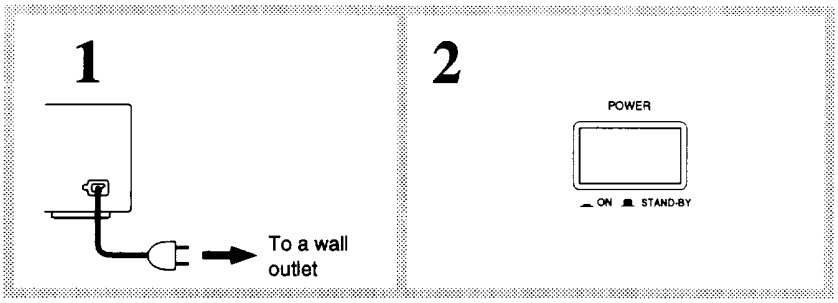
Connections for remote control (RI)

When connecting ONKYO products, it is necessary to attach the RI cable to be able to use the remote control of the main component to control the entire system.

1. To use this CD player with an amplifier (or receiver), cassette tape deck and tuner with the RI symbol, insert the remote control cable plugs into the REMOTE CONTROL jacks as shown.
2. As the exact connection sequence of the RI cable is unimportant, you can connect from the amplifier (or receiver) to either the tuner, the cassette tape deck or to the compact disc player.
3. If using an RI equipped ONKYO amplifier.(or receiver), to operate correctly, the remote control must face towards the remote control sensor of the amplifier (or receiver).

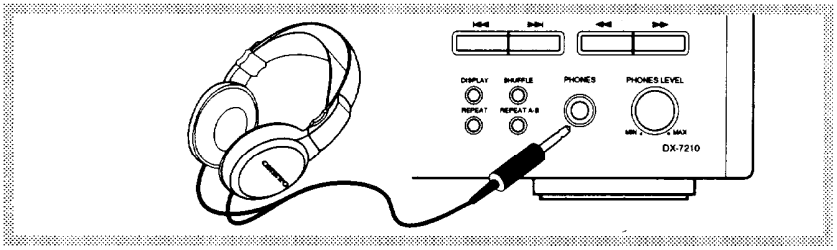
NOTE:

- The upper and lower RI remote control jacks have the same function.
- Remote control operation is not possible when only the remote control cable is connected — the audio connection cables must also be connected.
- An RI remote control cable equipped with a 1/8" (3.5mm) diameter miniature two-conductor phone plug is included with the DX-7210/7110 and with every tuner, compact disc player or cassette tape deck with the RI symbol.



Connecting the power

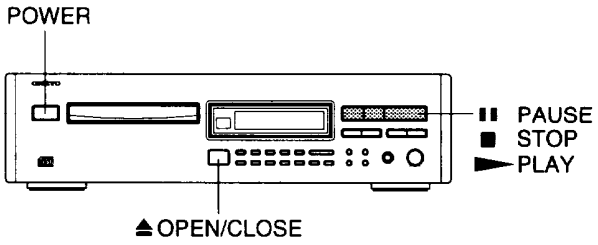
1. **Insert the AC power supply cord into a wall outlet.**
2. **When you press the POWER button, the display will light.**

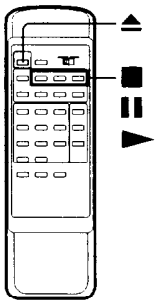


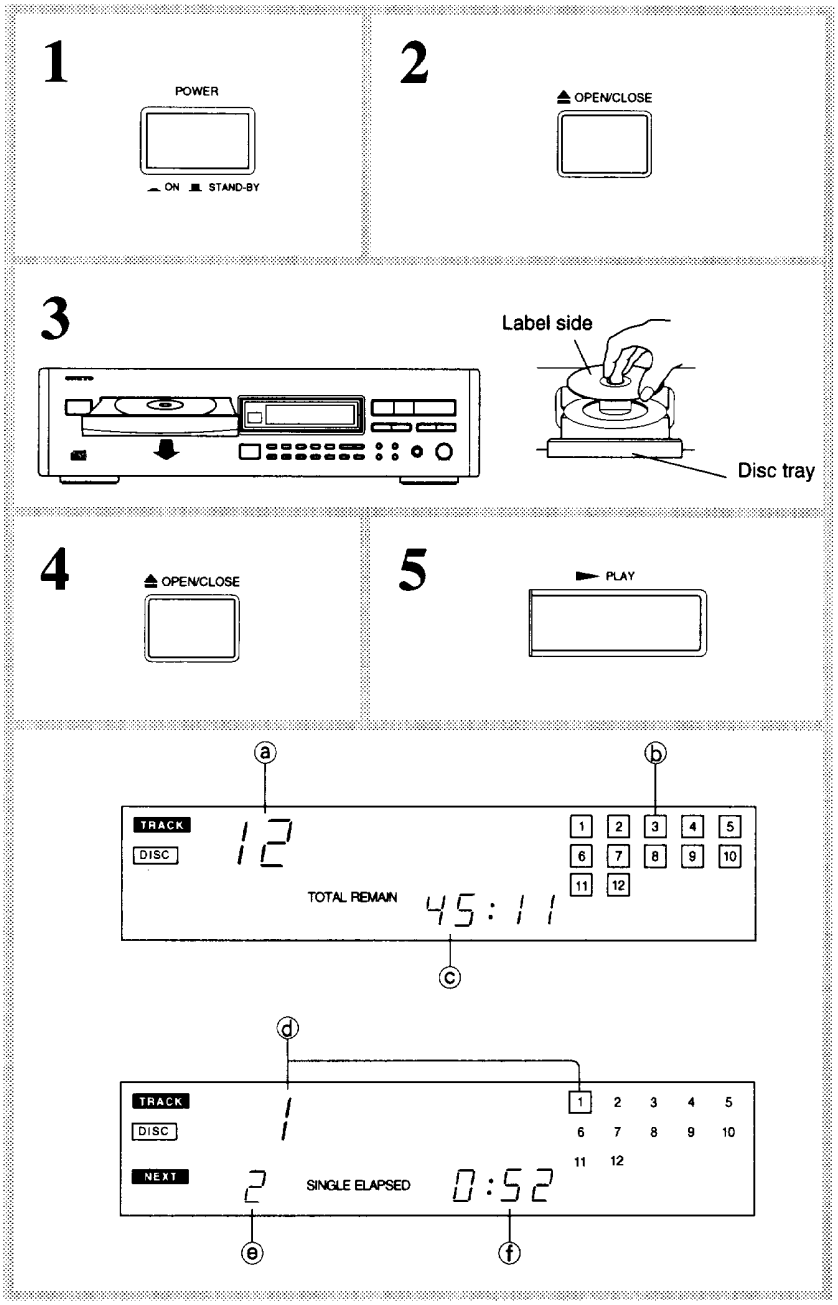
Listening with the headphones (DX-7210 only)

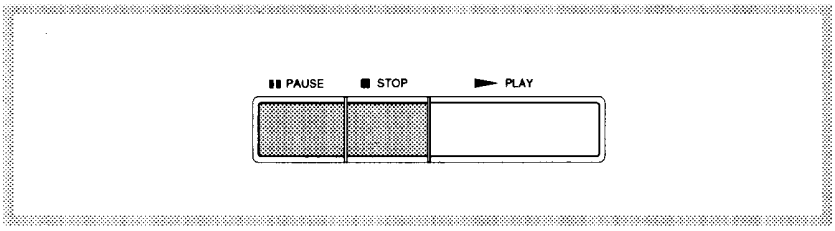
- Plug the headphones to the PHONES jack, and then adjust the sound level using the PHONES LEVEL knob.
- Turn the knob clockwise to increase the sound level; turn it counterclockwise to decrease the sound level.

Playing CDs









Normal play

1. **Press the POWER button to turn on the power.**
2. **Press the ⏏ OPEN/CLOSE button.**
3. **Put the disc in the disc tray, with the label side of the disc facing up.**
4. **Press the ⏏ OPEN/CLOSE button.**
5. **Press the ► PLAY button.**
   The CD player will play the first track (track 1).

* If you want to, you can skip step 4 by pressing the ► PLAY button instead of the ⏏ OPEN/CLOSE button. The disc tray will close automatically and play track 1.

If the CD player does not start playing when the ► PLAY button is pressed:

- The disc may be upside down in the tray. Press the ⏏ OPEN/CLOSE button to open the disc tray. If you cannot read the label on the disc, turn the disc over.
- Moisture may have formed inside the CD player. Remove the disc from the disc tray and leave the power on for about one hour to evaporate the moisture.

Contents of the display

- **Before starting play after you have inserted a disc**

ⓐ The total number of tracks on the disc
ⓑ All of the track numbers on the disc (When the number of tracks exceeds 20, the OVER indicator lights.)
ⓒ The total playing time of the disc

- **After starting play**

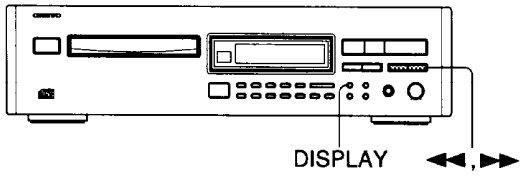
ⓓ The track number currently being played
ⓔ The next track number
ⓕ The elapsed time of the current track
The display can be changed by pressing the DISPLAY button.

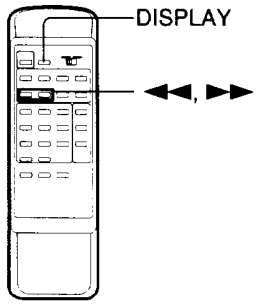
Stopping play

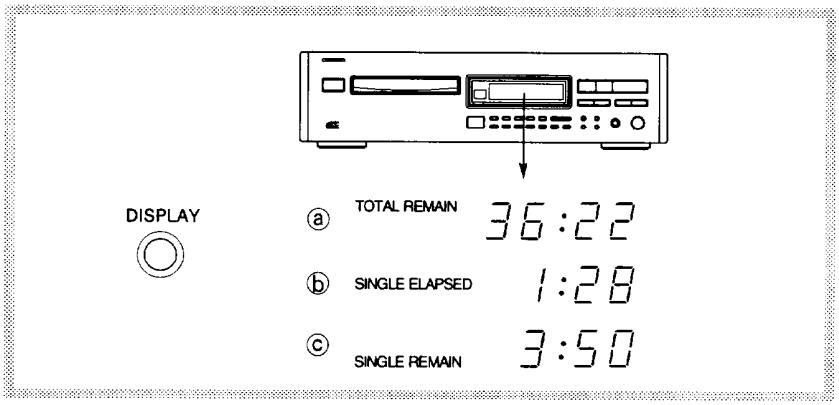
Press the ■ STOP button.

Stopping play temporarily

Press the ❚❚ PAUSE button.
The PAUSE indicator will light.
To resume play, press the ► PLAY button. The PAUSE indicator will turn off.







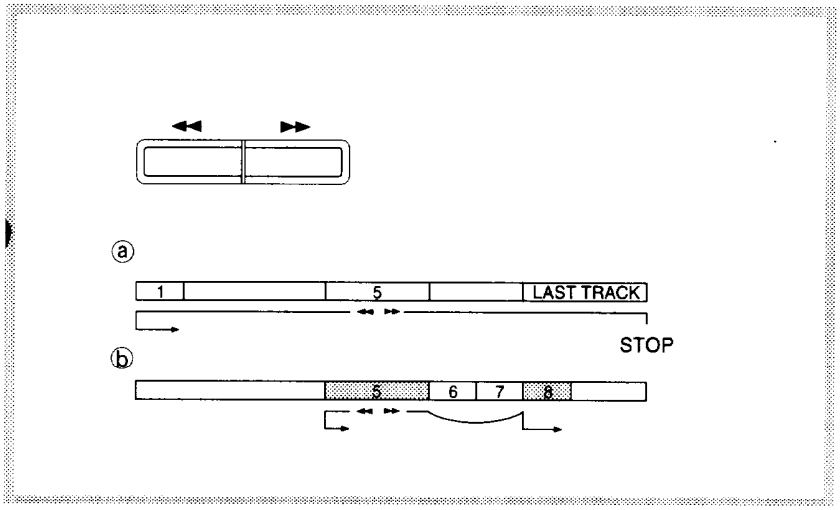
DISPLAY button

Press the DISPLAY button during play to switch the time display among the following three modes:

ⓐ **TOTAL REMAIN:** Shows how much playing time is left for the entire disc.

ⓑ **SINGLE ELAPSED:** Shows how long the current track has been playing.

ⓒ **SINGLE REMAIN:** Shows how much time is left for the track currently playing.



Moving forward or back to a specific place on a track

During play, press the ◄◄ or ►► button.

Release your finger when the music you would like to listen to is reached.

The music will start playing from that point.

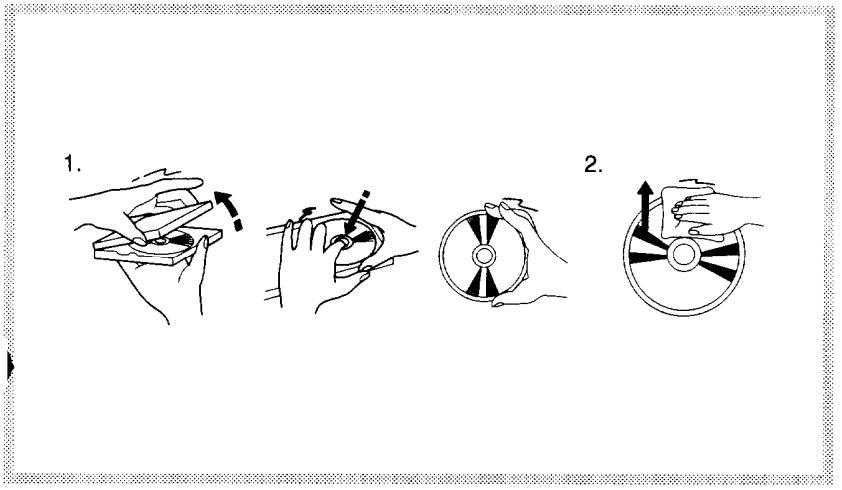
ⓐ **During normal play**

ⓑ **During memory play (Track numbers 5 and 8 are stored in memory.)**

If you fast reverse to the beginning of the current track, the CD will play from that point.

If you fast forward to the end of the current track, the CD will play the track stored in the next memory channel.

Handling CDs

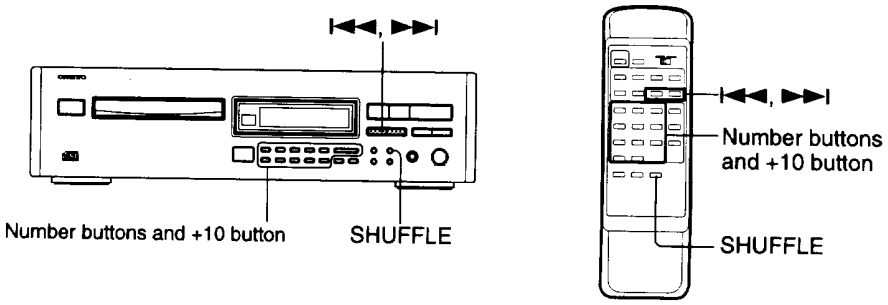


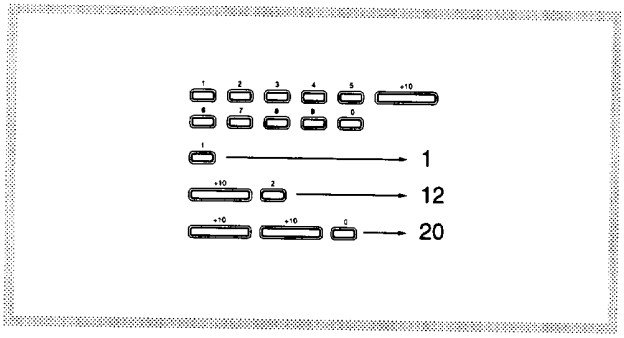
Important notes on handling CDs

1. Carefully lift the disc from the disc case, making sure to hold the disc by its edges or the hole in the middle.
2. A dry, soft cloth may be used to wipe dust and fingerprints off the surface of CDs. Do not use volatile agents on discs, such as thinner or benzine. Also, do not use conventional record cleaner or antistatic agents.

- Do not place a CD in direct sunlight or locations subject to high humidity or low temperature.
- Do not store a CD in the CD player tray for a long period of time.

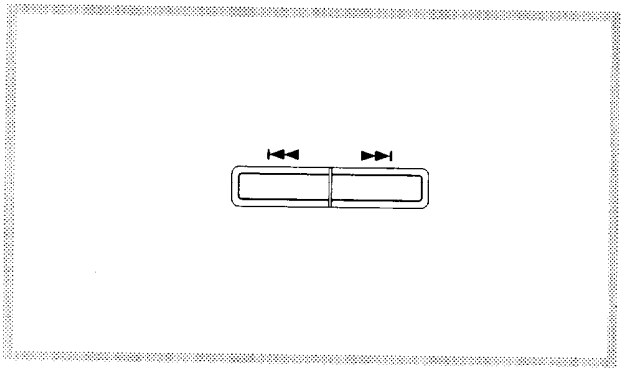
Choosing and Playing a Desired Track





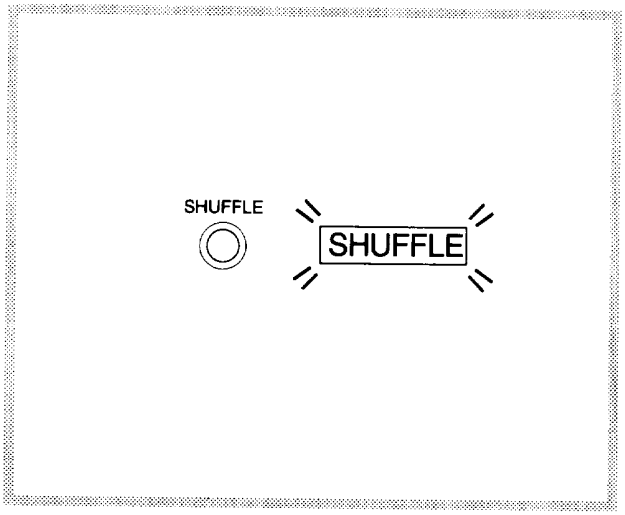
Starting play from a given track (DX-7210 only)

1. **Select the track number you wish to play, using the number buttons and the +10 button.**
2. **The CD player starts playing automatically.**



Using the SKIP button to choose

1. Each time the ►►| button is pressed, it will advance one track; and each time the |◄◄ button is pressed, it will go back one track. Press these buttons until the desired track number is chosen.
2. Press the ► PLAY button to begin play.
   - When the |◄◄ button is pressed once while playing, it will return to the beginning of the track and play it.



To randomly arrange the tracks (Shuffle play)

Press the SHUFFLE button.

In shuffle play mode, the CD player will play the tracks in random order.

- The Auto Space function will insert 4 seconds of blank time between tracks during Shuffle play. Play automatically begins.
- This function can be used in memory mode. In this case, the programmed tracks are played at random.

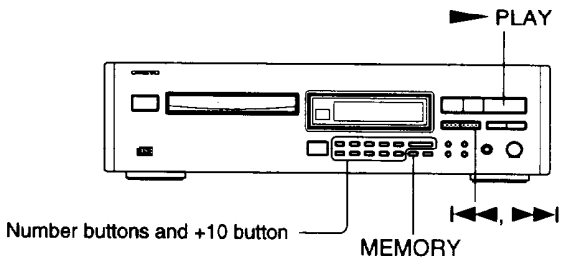
Press the SHUFFLE button to cancel shaffle play. The SHUFFLE indicator will turn off.

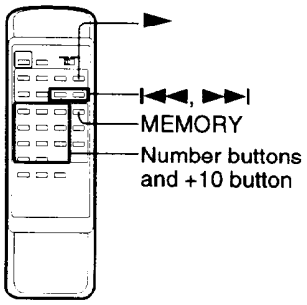
NOTE:

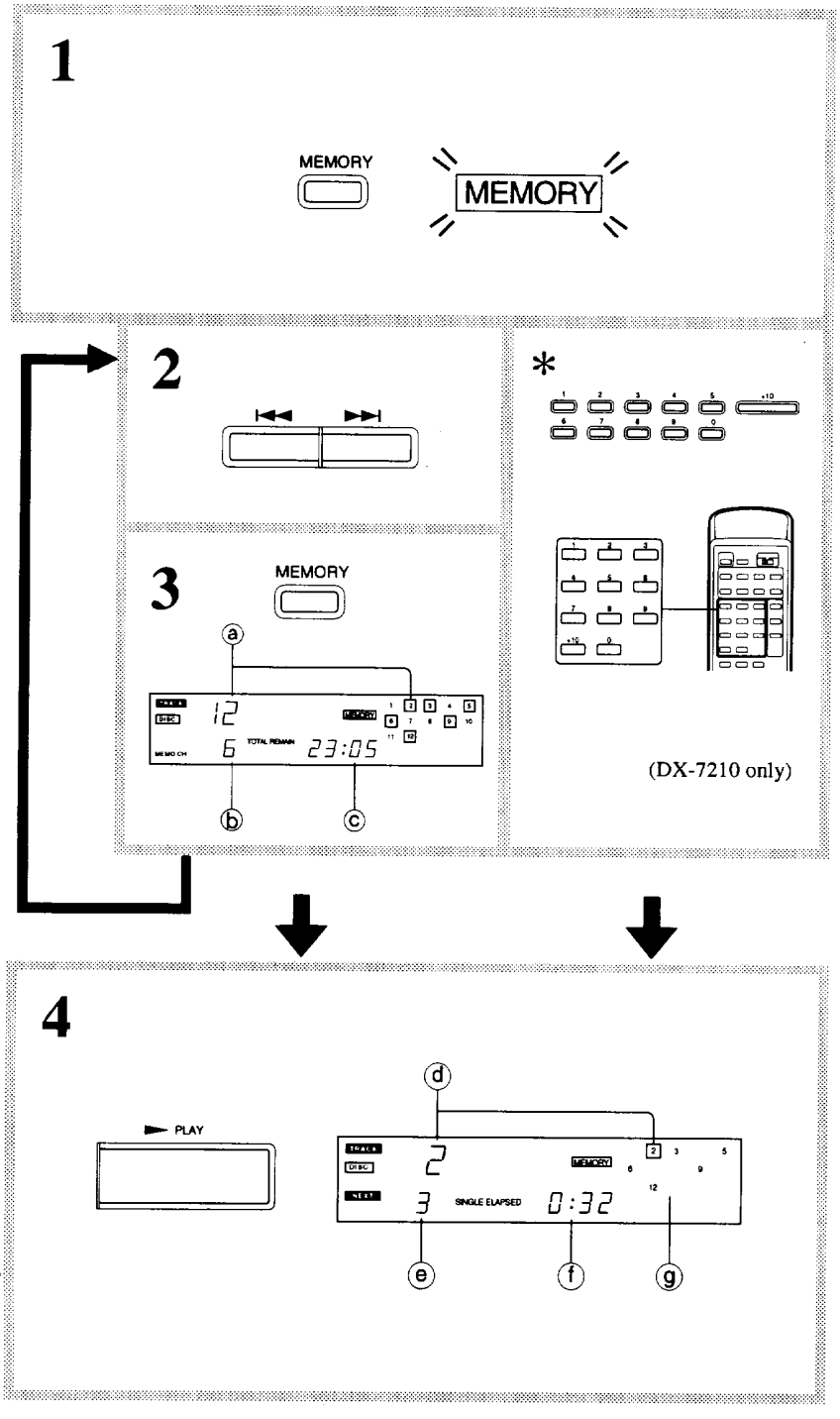
In shuffle play repeat mode, when all of the tracks have been played once, play will be repeated with a different track progression.

Using the Memory Function

•Up to 36 tracks can be stored in memory.







Storing a program into memory and playing it

1. **Press the MEMORY button.**
2. **Select the desired track number, using the I◄◄ and ►►I buttons.**
3. **Press the MEMORY button.**
   The selected track will be stored in memory.
   To enter further track numbers into memory, repeat this procedure. You can store maximum of 36 tracks in memory.
   * Use the number buttons to select the desired track. The selected track will be stored in memory. (DX-7210 only)
4. **When you press the ► PLAY button, the CD player will play the track in the order you selected.**

NOTES:

- If more than 36 tracks are selected, "FL" will flash in the memory channel display area to indicate that the memory is full.
- If the MEMORY button is pressed during play, the current track being played is stored in memory.

Contents of the display

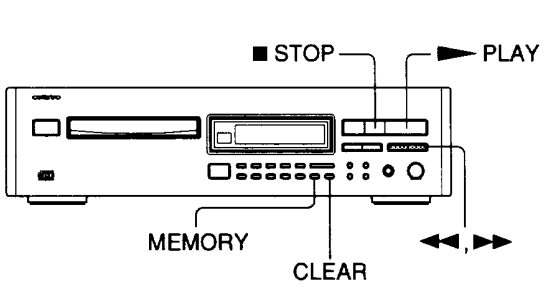
Example: After storing tracks 2, 3, 5, 6, 9 and 12 in memory.

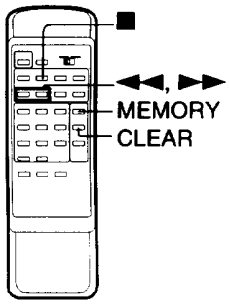
- **Before starting play**

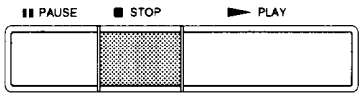
ⓐ The selected track numbers
ⓑ Memory channel
ⓒ The total playing time of selected tracks

- **During play**

ⓓ Track number 2 is currently being played (the first track in memory).
ⓔ Next track number in memory
ⓕ Time elapsed in track currently playing
ⓖ The remaining track numbers in memory

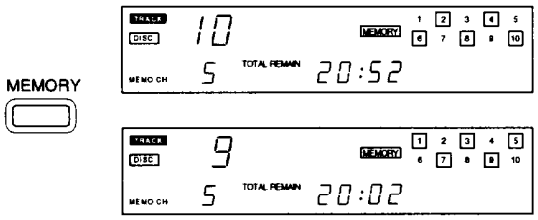






Stopping a memory play

Press the ■ STOP button.



Memory reverse function

When track numbers 2, 4, 6, 8 and 10 have been stored in memory
Press the MEMORY button.
All tracks which have not been stored in memory will be stored in memory, replacing the previous contents. When you press the ► PLAY button, the CD player will start playing.

Clearing the last track stored

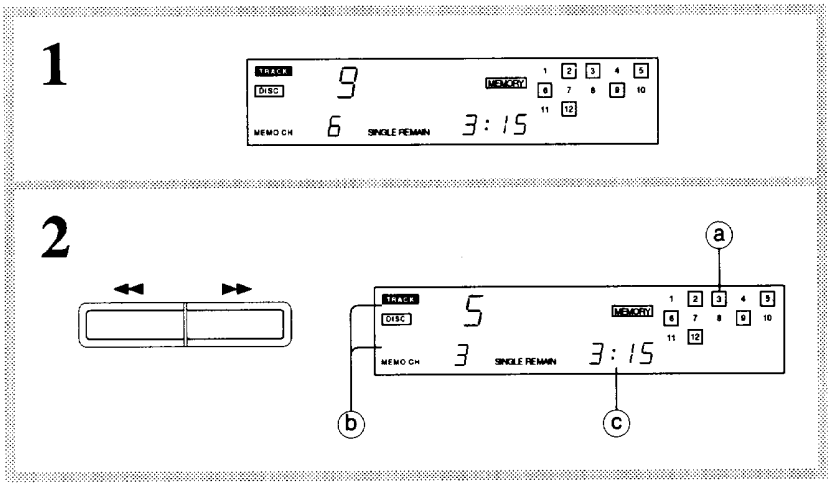
Press the CLEAR button.
The last track programmed in memory is cleared.

Canceling the program mode

Press the ■ STOP button while the CD player is in stop mode.
The contents of the memory are completely cleared.

SPACE indicator

A four-second silence will be automatically added between tracks during memory play (the SPACE indicator will flash). However, during normal sequential play this space will not be inserted.

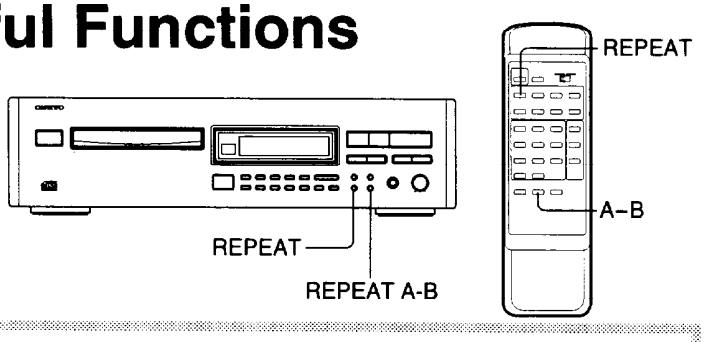


Checking what is stored in memory

1. **When the CD player stops during memory play, the last program number stored in memory will be shown in the display.**
2. **When you press the ►► button, the display will show each track number stored in memory, in turn.**

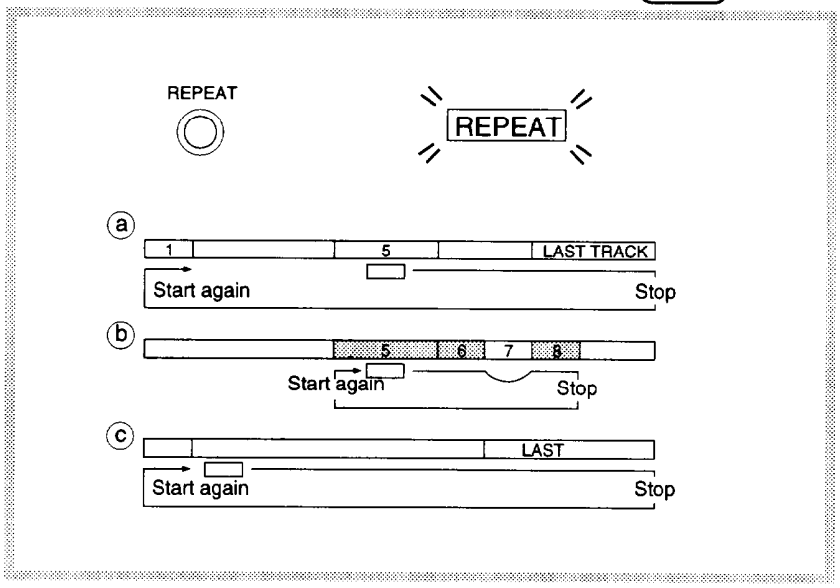
ⓐ The selected track numbers
ⓑ Memory channel and stored track number in memory channel
ⓒ The playing time of track number

Useful Functions



Repeating Play

Press the REPEAT button to enter the repeat play mode.
Repeat play can be used in conjunction with normal, memory, and shuffle play modes.



Full repeat (Repeating all tracks on a disc)

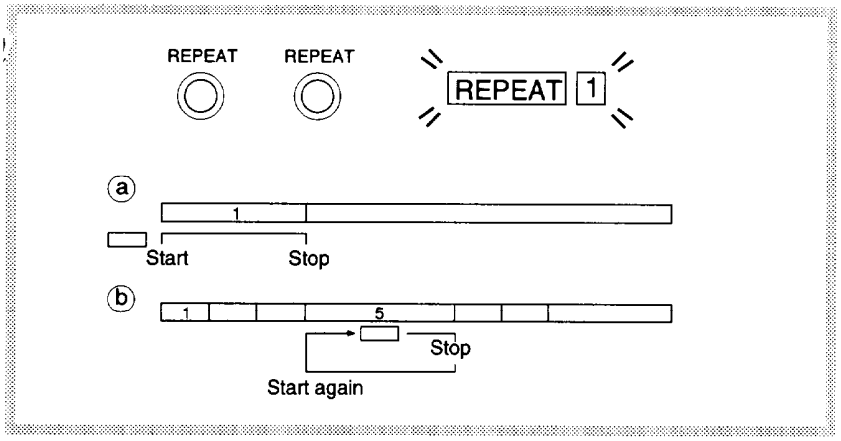
Press the REPEAT button once.

ⓐ **During normal play**
When the last track on the CD finishes, the CD player starts playing from the first track on the CD.

ⓑ **During memory play**
When the last track in memory finishes, the CD player starts playing from the first track in memory.
(Track numbers 5, 6 and 8 are stored in memory.)

ⓒ **During shuffle play**
When the last track in shuffle play finishes, the CD player starts playing the CD again, in a different order.

- Press the REPEAT button to cancel repeat play. The REPEAT indicator will turn off.



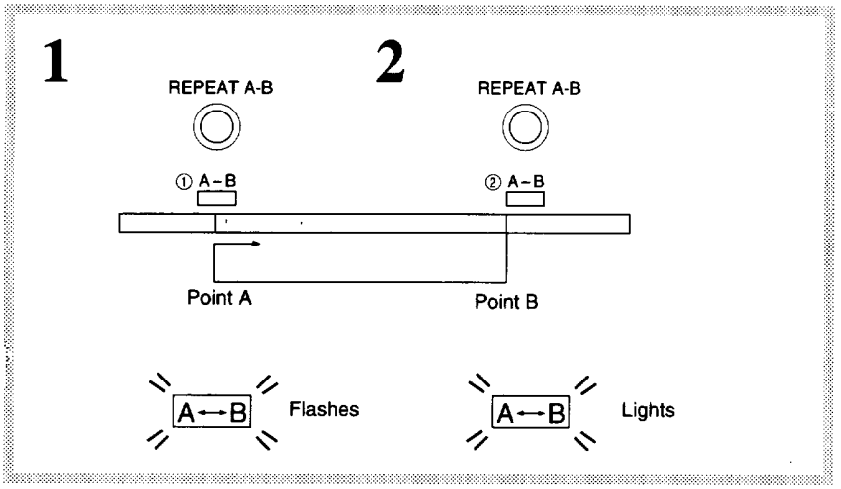
Single repeat (Repeating one track)

Press the REPEAT button twice.

ⓐ **Before starting play**
The CD player will play the first track repeatedly.

ⓑ **During play**
The CD player will play the current track repeatedly.

- Press the REPEAT button to cancel repeat play. The REPEAT indicator will turn off.



Block repeat (Repeating a block of music)

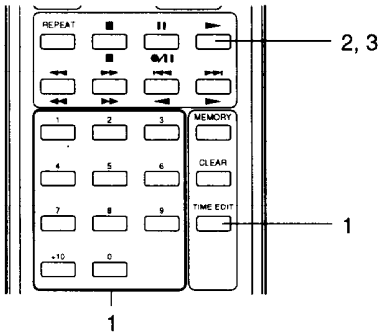
Follow the procedure below while a CD is playing.

1. **Press the REPEAT A-B button at the beginning of the block repeat. (point A)**
2. **Press the REPEAT A-B button at the end of the block repeat. (point B)**
   The section between A and B will be played repeatedly.

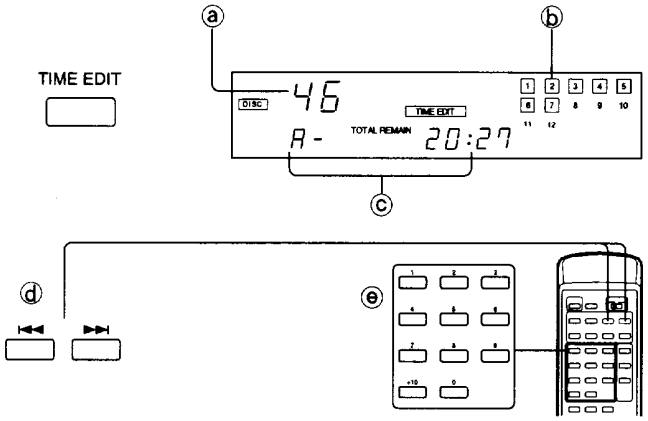
NOTE:
This function is not available during memory play.

- Press the REPEAT A-B button once again to cancel block repeat play.

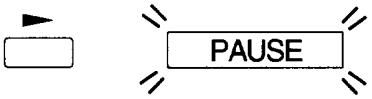
Convenient Functions for Recording to a Tape



1



2



3

Time edit function (DX-7210 only)

This function can be used when recording from a CD to a cassette tape.
Make sure that you cancel the memory mode before using this function.

1. **Press the TIME EDIT button.**
   - Pressing this button will change the Track Number display from 46 → 50 → 54 → 60 → 70 → 80 → 90 → 46. These numbers indicate the length of the tape.

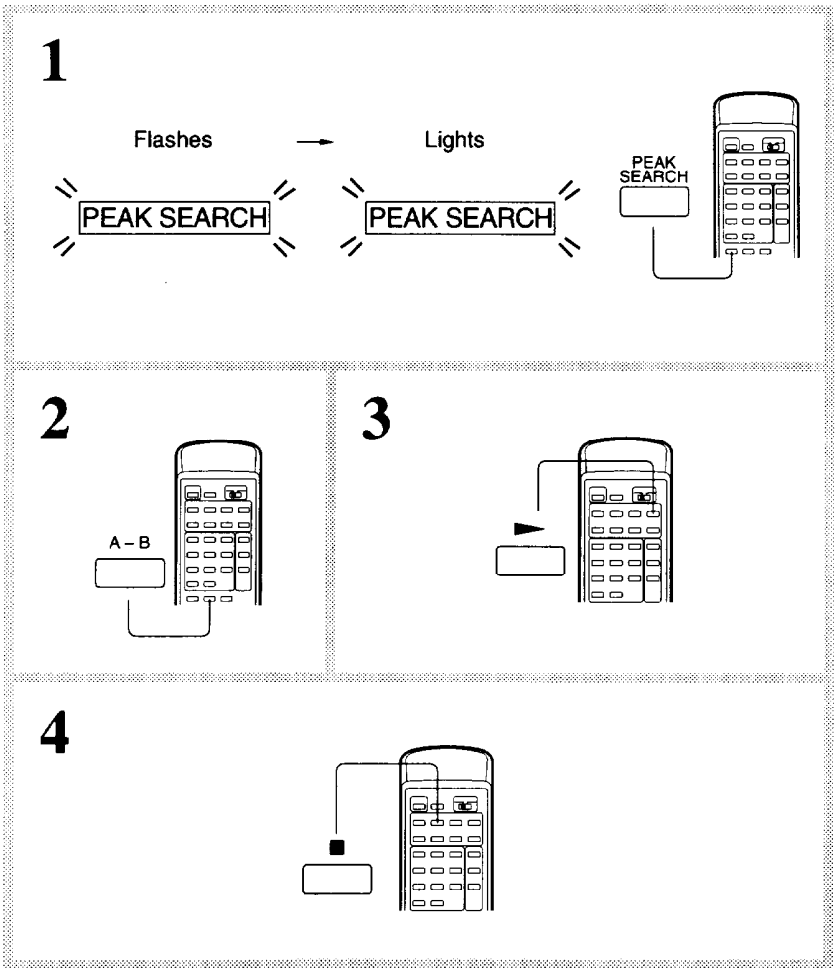
ⓐ Tape length.
ⓑ The track numbers to be recorded onto side A will be displayed in a box.
ⓒ This is the total time for the tracks on side A. This changes to the display for side B (b) after 2 or 3 seconds. Pressing the DISPLAY button will show the display for the A side again.
ⓓ Each time the skip buttons are pressed, the tape length will change by 1 minute.
ⓔ Use the number buttons and the + button to directly enter the length of the tape.
The maximum setting is 99 minutes.

2. **Press the ► button.**
The CD player starts playing from the first track on the disc to be recorded onto side A.
When the last track on side A is completed, the pause mode is automatically set.

3. **Press the ► button again.**
The pause mode is canceled and the CD player starts playing the remaining tracks for recording onto side B.

NOTES:

- The time edit mode does not function for discs with more than 20 tracks, or when the first track is longer than half of the indicated the length of the tape.
- During time edit play, buttons other than STOP, OPEN/CLOSE and DISPLAY cannot be used for input.



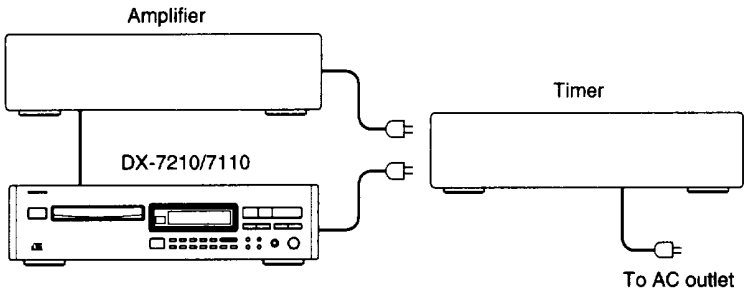
Peak search (DX-7210 only)

This function searches for the peak sound level on the disc.
When using the memory mode, press the MEMORY button to return to normal mode.

1. **Press the PEAK SEARCH button.**
   - The CD player checks the disc for the highest sound level. The PEAK SEARCH indicator will flash during this operation. When the search is complete, the indicator will light.
2. **Press the REPEAT A-B button.**
   "P" appears in the memory channel display area and flashes.
3. **Press the ► button.**
   - The section of the disc with the highest sound level will be played repeatedly for 6 seconds. Refer to this level when recording the disc onto a cassette tape.
4. **Press the ■ button.**
   The CD player stops.
   - This level is stored until the ⏏ OPEN/CLOSE button is pressed or the power is turned off. To repeat the 6-second playback of the peak level, follow steps 2, 3, and 4 when the CD player is stopped.
   - Pressing the PEAK SEARCH button will turn off the PEAK SEARCH indicator and the level will be cleared from the memory.
   - Pressing the REPEAT A-B button after pressing the ► button will start the block repeat operation.

Depending on the disc playing, memorizing of a level which is not the maximum audible level could occur. This is due to the CD player's microprocessor memorizing inaccurate information because of flaws in the disc itself, or recording conditions. Under such circumstances, the recording level for the cassette tape may be very low, or else distortion or similar symptoms could arise on account of excessively high signal levels. To avoid this, be sure to reset the recording level of the cassette deck if such symptoms occur.

Using the Timer



Using the timer for play

If you have an audio timer, it can be used to start play at any time you desire.

1. **Turn on the DX-7210/7110 and the amplifier which is connected to the DX-7210/7110.**
2. **Insert a compact disc into the DX-7210/7110 disc tray.**
3. **Set the time on the timer.**
   - Please consult the timer's manual for information on setting the timer.
   - When the specified time comes, the CD player's auto-play function will automatically begin play.

Troubleshooting Guide

- **POWER button is pressed, but power does not come on.**
  Cause: Power cord plug is not properly connected to AC outlet.
  Remedy: Insert plug firmly.

- **Disc is loaded in the disc tray, but play will not begin.**
  Cause: Disc is in the disc tray upside down.
  Remedy: Load the disc with the label side up.
  Cause: Disc is dirty.
  Remedy: Clean the disc.
  Cause: Moisture has accumulated inside the CD player.
  Remedy: Remove the disc from the disc tray, place the CD player in a warm place and leave the power on for about one hour.

- **No sound**
  Cause: Incomplete or incorrect connections.
  Remedy: Check all cable connections (See pages 7.)
  Remedy: Insert all plugs firmly into jacks.
  Cause: Improper input selector switch setting on amplifier.
  Remedy: Set switch to proper position. See your amplifier's operating instructions for more information.

- **Disc skipping**
  Cause: Disc is dirty.
  Remedy: Clean the disc.
  Cause: Disc is scratched.
  Remedy: Replace the disc.
  Cause: CD player has been bumped.
  Remedy: Place the CD player in a more stable location.

- **Search time (when moving to a specific track) is extremely long.**
  Cause: Disc is dirty.
  Remedy: Clean the disc.
  Cause: Disc is scratched.
  Remedy: Replace the disc.

- **Track numbers cannot be stored in the memory.**
  Cause: No disc in the tray.
  Remedy: Load a disc into the tray.
  Cause: A track number not on the disc is being input.
  Remedy: Use only the track numbers on the disc.

Specifications

Compact Disc Player	Model DX-7210/7110
Signal readout system:	Optical non-contact
Reading rotation:	About 500 - 200 r.p.m. (constant linear velocity)
Linear velocity:	1.2 - 1.4 m/s
Error correction system:	Cross Interleave Reed-Solomon code
D/A converter:	1 bit PWM ACCUPULSE D/A CONVERTER
Sampling frequency:	352.8 kHz (Eight-times oversampling)
Number of channels:	2 (stereo)
Frequency response:	5 Hz - 20 kHz
Total harmonic distortion:	0.004 % (at 1 kHz)
Dynamic range:	96 dB
Signal to noise ratio:	100 dB
Channel separation:	90 dB (at 1 kHz)
Wow and Flutter:	Below threshold of measurability
Output level:	2 volts r.m.s.
Power consumption:	12 watts
Power supply rating:	European and Australian models: AC 230 V, 50 Hz USA and Canadian models: AC 120 V, 60 Hz Worldwide model: AC 120 V and AC 220V switchable, 50/60 Hz
Dimensions (W × H × D):	455 × 120 × 308 mm (17-15/16" × 4-3/4" × 12-1/8")
Weight:	4.3 kg, 9.5 lbs.

Specifications and external appearance are subject to change without notice because of product improvements.

ONKYO CORPORATION

Sales Planning & Promotion Dept.: 2-1, Nisshin-cho, Neyagawa-shi, OSAKA 572, JAPAN
Tel: 0720-31-8111 Fax: 0720-33-5222

ONKYO U.S.A. CORPORATION
200 Williams Drive, Ramsey, N.J. 07446, U.S.A.
Tel: 201-825-7950 Fax: 201-825-8150

ONKYO DEUTSCHLAND GMBH ELECTRONICS
Industriestrasse 18-20, 82110 Germering, GERMANY
Tel: 089 84 93 20 Fax: 089 84 93 226

ONKYO FRANCE
Immeuble Le Diamant, Domaine Technologique de Saclay, 4 Rue René Razel,
91892 SACLAY, FRANCE Tel: (1) 69 33 14 00 Fax: (1) 69 41 35 84

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